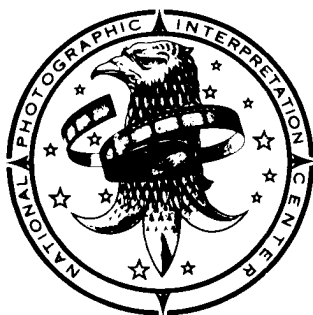


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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

Summary Report

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(See inside cover)

CHING-YU ICBM TEST SITE NEARLY LAUNCH CAPABLE FOLLOWING PROBABLE REFURBISHMENT (S)

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JUNE 1977

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SR-038/77

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DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
USIBONLY-	USIB Departments Only
ORCON-	Dissemination and Extraction of Information Controlled by Originator
REL . . . -	This Information has been Authorized for Release to . . .

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Ching-yu ICBM Test Site Nearly Launch Capable Following Probable Refurbishment (S)

(TSR) This report summarizes the recent activity observed at Ching-yu Missile Test Complex SSM [REDACTED], China. The Ching-yu ICBM Test Site [REDACTED] is the research and development elevate-to-launch test silo for the CSS-3 ICBM. The launcher assembly has probably been refurbished and the checkout of the launcher appears to be in progress. The duration of the checkout process cannot be determined, but it should be completed in time for a summer/fall launch schedule.

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(TSRU) The most recent launch of a CSS-3 from the Ching-yu Missile Test Complex SSM occurred [REDACTED]. This was the fourth launch from the site and the second in 1976. [REDACTED] the silo launcher was disassembled, probably to refurbish it. This was the first time that the silo was observed deactivated.

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(TSR) The silo launcher assembly had been removed [REDACTED] when a portion of the umbilical tower, the missile support ring, and two halves of the service platform were observed at the site and site support area (Figure 1). This suggested that the launcher assembly was to be refurbished. The launcher assembly had apparently been refurbished and reassembled [REDACTED] as the individual components were no longer observed at the site or site support area.

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(TSR) The next step in readying the silo for launch would be the checkout of the reassembled launcher. Preparations for this appeared to be underway as early [REDACTED] [REDACTED] when the silo checkout fixture and the CSS-3 first- and second-stage transporters were observed in the missile checkout and assembly support area (Ching-yu SSM Support Facility [REDACTED]). The first- and second-stage transporters have been used to transport the checkout fixture. When in use, the fixture is probably installed in the silo to test the launcher assembly and elevator. The silo service crane remained in its winter tie-down position [REDACTED].

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(TSR) [REDACTED], the service crane had been moved to the southwest side of the apron and its boom was in the raised position. A large truck-mounted crane and the silo service crane were both observed at the test site on the silo apron [REDACTED]. The silo checkout fixture was removed from the checkout and assembly support area [REDACTED] [REDACTED] and had probably been installed in the silo. The truck-mounted crane remained in position on the apron [REDACTED], indicating that the checkout fixture was probably still in the silo. When the checkout of the reassembled launcher assembly is completed and the checkout fixture removed, the silo will again be ready for missile launching.

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List of Conversion Factors by Classification

UNITS OF LENGTH

<i>IF YOU HAVE</i>	<i>MULTIPLY BY</i>	<i>TO OBTAIN</i>
MILLIMETERS	0.0394	INCHES
CENTIMETERS	0.3937	INCHES
INCHES	25.4000	MILLIMETERS
INCHES	2.5400	CENTIMETERS
FEET	0.3048	METERS
FEET	0.0003	KILOMETERS
YARDS	0.9144	METERS
METERS	3.2808	FEET
METERS	0.0005	MILES(NAUTICAL)
METERS	1.0936	YARDS
KILOMETERS	3280.8400	FEET
KILOMETERS	0.6214	MILES(STATUTE)
KILOMETERS	0.5400	MILES(NAUTICAL)
MILES(STATUTE)	1.6093	KILOMETERS
MILES(NAUTICAL)	6076.1154	FEET
MILES(NAUTICAL)	1.8520	KILOMETERS
MILES(NAUTICAL)	1852.0000	METERS

UNITS OF MASS

<i>IF YOU HAVE</i>	<i>MULTIPLY BY</i>	<i>TO OBTAIN</i>
KILOGRAMS	2.2046	POUNDS(AVOIR.)
POUNDS(AVOIR.)	0.4536	KILOGRAMS
SHORT TONS	0.9072	METRIC TONS
METRIC TONS	1.1023	SHORT TONS
METRIC TONS	0.9842	LONG TONS
LONG TONS	1.0160	METRIC TONS

UNITS OF VOLUME

<i>IF YOU HAVE</i>	<i>MULTIPLY BY</i>	<i>TO OBTAIN</i>
LITERS	0.2642	GALLONS
LITERS	0.0063	BARRELS(POL)
LITERS	0.0010	CUBIC METERS
GALLONS	3.7854	LITERS
GALLONS	0.1337	CUBIC FEET
GALLONS	0.0238	BARRELS(POL)
GALLONS	0.0038	CUBIC METERS
BUSHELS	0.0352	CUBIC METERS
CUBIC FEET	7.4805	GALLONS
CUBIC FEET	0.1781	BARRELS(POL)
CUBIC FEET	0.0283	CUBIC METERS
CUBIC YARDS	0.7646	CUBIC METERS
BARRELS(POL)	158.9873	LITERS
BARRELS(POL)	42.0000	GALLONS
BARRELS(POL)	5.6146	CUBIC FEET
BARRELS(POL)	0.1590	CUBIC METERS
CUBIC METERS	1000.0000	LITERS
CUBIC METERS	264.1721	GALLONS
CUBIC METERS	35.3147	CUBIC FEET
CUBIC METERS	28.3776	BUSHELS
CUBIC METERS	6.2898	BARRELS(POL)
CUBIC METERS	1.3080	CUBIC YARDS

UNITS OF AREA

<i>IF YOU HAVE</i>	<i>MULTIPLY BY</i>	<i>TO OBTAIN</i>
SQUARE CENTIMETERS	0.1550	SQUARE INCHES
SQUARE INCHES	6.4516	SQUARE CENTIMETERS
SQUARE FEET	0.0929	SQUARE METERS
SQUARE YARDS	0.8361	SQUARE METERS
SQUARE METERS	10.7639	SQUARE FEET
SQUARE METERS	1.1960	SQUARE YARDS
SQUARE METERS	1.0000	CENTARES
SQUARE METERS	0.0002	ACRES
SQUARE METERS	0.0001	HECTARES
ACRES	4046.8564	SQUARE METERS
ACRES	0.4047	HECTARES
HECTARES	10000.0000	SQUARE METERS
HECTARES	2.4711	ACRES

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[REDACTED]

[REDACTED]

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